Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/15/2018 03/15/2018	Bob Duffey

LM Start		Rating **	Α	Issue No.		12		
LM End		Issue Type +	Ma	Location *				
Catagonia Earthen Levee				GPS La	atitude	/Longitude		
Category				Start		End		
Item	Operations & Maintenance				0		0	
пеш	Manuals				0		0	
DWR ID DWR_RD0070_01_f _ 2015_12								
		Comn	nent Cod	le				
		Inspecto	or Comm	nent				
The LMA h	nas the O8	M manuals.						

No Photos

LM Start		Rating **	Α	Issue No.		13	
LM End		Issue Type +	Ма	Location *			
Category Earthen Levee				GPS La	atitud	e/Longitude	
				Start		End	
Emergency Supplies &				0		0	
пеш	Equipment				0		0
DWR ID	DWR ID DWR_RD0070_01_s _ 2013_13						
		Comn	nent Cod	de			
Inspector Comment							
The LMA has adequate flood fight supplies and equipment.							

No Photos

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

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Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/15/2018 03/15/2018	Bob Duffey

LM Start		Rating **	Α	Issue No.		14	
LM End		Issue Type +	Ma	Location *			
Category	Category Earthen Levee			GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	Flood Pre	paredness &		0		0	
пеш					0		0
DWR ID	DWR ID DWR_RD0070_01_s _ 2013_14						
		Comn	nent Cod	le			
		Inspecto	or Comm	ent			
The LMA of	completed	flood fight trai	ning in 2	014.			

No Photos

LM Start	0.76	Rating **	A/W	Issue No.		36	
LM End	0.76	Issue Type +	Ma	Location *			
Category	ental		GPS Latitude/Longitude				
Category				Start		End	
Item	2017 Stor	m Damage		39.14524	o°	39.145240°	
-121.842650 ° -121.8426						-121.842650 °	
DWR ID DWR_RD0070_01_f _ 2017_36							
	Comment Code						

Levee Evaluation Comments Description: Site ID No:154 Site Designation:RD 70-03 Repair Type: Erosion Rating:Area of Concern Field Date:7/17/2017 Notes:

Inspector Comment



N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En: Enforcement

LS: Land Side N/A: Not Applicable

* Location

WS: Water Side

CR : Crown

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/15/2018 03/15/2018	Bob Duffey

LM Start	0.76	Rating **	A/W	Issue No.		36 (cont)	
LM End	0.76	Issue Type +	Ma	Location *			
Catagony	Category				GPS Latitude/Longitude		
Calegory				Start		End	
Item	2017 Storm Damage			39.145240 °		39.145240 °	
item				-121.8426	50°	-121.842650 °	
DWR ID	DWR_RD0	070_01_f _ 201	7_36				
Comment Code							

Inspector Comment

Levee Evaluation Comments

Description: Site ID No:154

Site Designation:RD 70-03 Repair Type: Erosion Rating:Area of Concern Field Date:7/17/2017

Notes:

LM Start	0.76	Rating **	A/W	Issue No.	36 (cont)
LM End	0.76	Issue Type +	Ma	Location *	





Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/15/2018 03/15/2018	Bob Duffey

		5 :: ++			I		
LM Start	1.77	Rating **	М	Issue No.		32	
LM End	1.77	Issue Type +	Ma	Location *		LS	
Category	evee		GPS La	atitud	e/Longitude		
Category				Start		End	
Item	Animal Co		39.1512	82°	39.151282 °		
item				-121.855818 °		-121.855818 °	
DWR ID DWR_RD0070_01_f _ 2016_32							
		Comn	nent Cod	de			
A1 : Exter	minate rod	ents and back	fill and o	compact or	grou	t burrows.	
Inspector Comment							



View of the rodent holes along the waterside slope.

LM Start	3.72	Rating **	М	Issue No.		29	
LM End	3.72	Issue Type +	Ма	Location *		WS	
Category Earthen Levee				GPS Latitude/Longitude			
				Start		End	
Item	Slope Sta	bility		39.1581	83°	39.158183°	
iteiii				-121.8883	97°	-121.888397 °	
DWR ID DWR_RD0070_01_f _ 2016_29							

Comment Code

S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.

Inspector Comment



View of the ruts along the waterside slope.

		5 // 44						
LM Start	4.57	Rating **	С	Issue No.		34		
LM End	4.57	Issue Type +	Ma	Location *		LS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Category				Start		End		
Item	Encroach	Encroachments			68°	39.167168 °		
Item				-121.899102°		-121.899102 °		
DWR ID	DWR_RD0	070_01_s _ 201	5_34					
		Comn	nent Cod	le				
PR : Pruni	ngs							
	Inspector Comment							
The prunings was removed from landside toe.								

No Photos

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/15/2018 03/15/2018	Bob Duffey

		D // ++			1		
LM Start	6.18	Rating **	M	Issue No.		6	
LM End	6.18	Issue Type +	Ma	Location *		WS	
Category	Earthen L	.evee		GPS L	atitud	le/Longitude	
Calegory						End	
Item	Slope Sta	Slope Stability			81 °	39.187481 °	
пеш				-121.910852 °		2 ° -121.910852 °	
DWR ID	DWR_RD0	070_01_s _ 201	2_6				
		Comn	nent Cod	de			
		slope damag	ged by ve	ehicle traffic	and	prevent	
access where possible.							
Inspector Comment							
•							

 LM Start
 6.18
 Rating **
 M
 Issue No.
 6 (cont)

 LM End
 6.18
 Issue Type +
 Ma
 Location *
 WS



View of vehicle erosion along the waterside slope.

Photo 2 of 2: SP_2018_RD0070_29_6_20180305_00002.jpg



View of the vehicle erosion along the waterside slope.

Photo 1 of 1: SP_2018_RD0070_29_35_20180403_00076.jpg

LM Start	6.44	Rating **	М	Issue No.		35	
LM End	6.44	Issue Type +	Ma	Location *		LS	
Category	Earthen Levee				atitud	le/Longitude	
Calegory				Start		End	
Item	Animal Co	Animal Control			97°	39.190897°	
пеш				-121.9127	13 °	-121.912713 °	
DWR ID	DWR_RD0	070_01_s _ 201	8_35				
		Comn	nent Cod	le			
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.							
		Inspecto	or Comm	nent			

Repair the rodent holes along the landside slope.



View of the rodent holes along the landside slope.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	03/15/2018 03/15/2018	Bob Duffey

LM Start	6.57	Rating **	U	Issue No.		40
LM End	6.57	Issue Type +	Ма	Location *		LS
Category	Earthen L	evee		GPS La	atituc	de/Longitude
Calegory				Start		End
Item	Animal Control			39.1922	83 °	39.192283 °
пеш				-121.9143	88 °	-121.914388 °
DWR ID DWR_RD0070_01_s _ 2018_40						
		Comn	nent Cod	de		
A3 : No ro compact of		le, but rodent rows.	burrows	visible; nee	ed to	backfill and
		Inspecto	or Comm	nent		
Repair the	rodent ho	les along the	landside	slope.		



View of rodent holes along the landside slope.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/15/2018 03/15/2018	Bob Duffey

11101	0.07	Rating **	A/W	Issue No.		74	_
LM Start	0.07	Rating	A/VV	issue ivo.		74	
LM End		Issue Type +	Ma	Location *			
Category	Suppleme	ental		GPS La	atituc	de/Longitude	
Category				Start		End	
Item	2017 Stor	m Damage		39.1930	83°		0
пеш				-121.9352	58°		0
DWR ID	DWR_RD0	070_02_f _ 201	7_74				
		Comn	nent Cod	de			
		Inspecto	or Comm	nent			
Levee Eva	luation Co	mments					
Description	n:						
Site ID No	Site ID No:142						
Site Designation:LMA-22							
Repair Typ							
Rating:Are							
	tuding. According						

No Photos

Rating ** 2.40 Issue No. 49 LM Start M Location * 2.40 Issue Type + Ма LS LM End Earthen Levee GPS Latitude/Longitude Category End Trim / Thin Trees 39.165462° 39.165462 Item -121.935244° -121.935244 DWR_RD0070_02_f _ 2016_49 DWR ID Comment Code

No Photos

T1 : Trim trees to at least five feet above ground level.

Notes: Problematic site was not found. No erosion observed.

Field Date:6/7/2017

Inspector Comment

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type
Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/15/2018 03/15/2018	Bob Duffey

LM Start	3.46	Rating **	М	Issue No.		76
LM End	3.46	Issue Type +	Ma	Location *		WS
Category	Earthen L	evee		GPS La	atituc	de/Longitude
Calegory				Start		End
Item	Animal Control			39.1550	08°	39.155008°
пеш				-121.9219	05°	-121.921905 °
DWR ID DWR_RD0070_02_f _ 2017_76						
		Comn	nent Cod	le		
A1 : Exterr	minate rod	ents and back	fill and o	compact or	grou	ıt burrows.
		Inspecto	or Comm	nent		
Repair the	rodent ho	les along the	watersid	e slope.		

Photo 1 of 1 : SP_	_2018_RD0070_30	_76_20180305_000)19.jpg
		the state of the s	
-			
Miller .			

View of the rodent holes along the waterside slope.

LM Start	4.31	Rating **	М	Issue No.		51	
LM End	4.31	Issue Type +	Ma	Location *		LS	
Category Earthen Levee				GPS La	atitud	e/Longitude	
Calegory			Start		End		
Item	Trim / Thi		39.1443	05°	39.144305°		
пеш	-121.917400 ° -121.917400						
DWR ID DWR_RD0070_02_f _ 2016_51							
	Comment Code						

Comment Code

T1 : Trim trees to at least five feet above ground level.

Inspector Comment

No Photos

LM Start	4.95	Rating **	М	Issue No.		54
LM End	4.95	Issue Type +	Ma	Location *		LS
Category	.evee	GPS La	atitud	e/Longitude		
Category				Start		End
Item	Trim / Thi	n Trees		39.1420	16°	39.142016 °
пеш	-121.926214 ° -121.926214					
DWR ID	DWR ID DWR_RD0070_02_f _ 2016_54					
	Comment Code					

Comment Code

T1 : Trim trees to at least five feet above ground level.

Inspector Comment



View of the trees blocking visibility.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS : Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/15/2018 03/15/2018	Bob Duffey

LM Start	7.74	Rating **	N	Issue No.		59
LM End	7.74	Issue Type +	Ма	Location *		LS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Trim / Thi	n Trees		39.1245	03°	39.124503 °
пеш					52°	-121.915252°
DWR ID	DWR_RD0	070_02_f _ 201	6_59			
		Comn	nent Cod	le		
T5 : Tree s	stumps.					
	Inspector Comment					

No Photos

LM Start	8.10	Rating **	М	Issue No.		2	
LM End	8.23	Issue Type +	Ma	Location *		WS	
Category	ental	GPS La	titud	le/Longitude			
Calegory				Start		End	
Item	2015 USA	Survey,	39.1224	59°	39.120684°		
пеш	DRAFT -121.910121 ° -121.909152						
DWR ID DWR_RD0070_02_s _ 2016_2							
	Comment Code						

Inspector Comment

1997 - Critical Site - Erosion of cobble site on outside of a bend. Failure caused by erosion of a material from behind the cobbles and cobbles rolling down the slope. Failure is just above the toe levee. Some repairs had been done at the upstream end. 2004 - Some minor new erosion at the top of the berm. 2005 - Trees look okay and the downstream end has some new rock repair. Site is no longer critical. 2006 - No longer critical, some repairs. 2015: No observed changes. [2015 Site ID: SAC_130-0_L]



USACE 2013 Photo #1

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/15/2018 03/15/2018	Bob Duffey

LM Start	8.10	Rating **	M	Issue No.		60
LM End	8.10	Issue Type +	Ма	Location *		LS
Category	Earthen L	evee		GPS La	atitud	le/Longitude
Calegory				Start		End
Item	Trim / Thi	n Trees		39.1225	68°	39.122568 °
пеш					23 °	-121.909723 °
DWR ID	DWR_RD0	070_02_f _ 201	6_60			
		Comn	nent Cod	le		
T1 : Trim t	rees to at l	east five feet	above g	round level.		
	Inspector Comment					

No Photos

LM Start	9.28	Rating **	М	Issue No.		61	
LM End	9.28	Issue Type +	Ма	Location *		LS	_
Category Earthen Levee				GPS Latitude/Longitude			
Calegory				Start		End	
Item	Animal Control			39.1072	85 °	39.107285	0
item	-121.900753 ° -121.900753						0
DWR ID DWR_RD0070_02_f _ 2016_61							
	Community Conta						

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment



View of the rodent holes along the landside slope.

LM Start	9.69	Rating **	N	Issue No.		63	_
LM End	9.69	Issue Type +	Ма	Location *		LS	_
Catagony	Category Earthen Levee			GPS La	atitud	e/Longitude	
Calegory	Category				Start E		
Item	Trim / Thi	n Trees		39.1013	43 °	39.101343	0
пеш	-121.89					-121.899381	0
DWR ID	DWR ID DWR_RD0070_02_f _ 2016_63						
	Comment Code						

T5: Tree stumps.

Inspector Comment

No Photos

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/15/2018 03/15/2018	Bob Duffey

LM Start	11.07	Rating **	М	Issue No.		48
LM End	11.07	Issue Type +	Ма	Location *		WS
Catagory Earthen Levee			GPS Latitude/Longitude			
Calegory	Category			Start		End
ltom	Encroachments 39.0860 -121.8899				98°	39.086098°
пеш					88°	-121.889988 °
DWR ID DWR_RD0070_02_s _ 2018_48						
		Comn	nent Cod	le		
TR : Tree of	or limb					
			_			
		Inspecto	or Comm	nent		
Remove the tree from the waterside slope and toe.						



View of the tree along the waterside slope and oe

LM Start	13.82	Rating **	A/W	Issue No.		72	
LM End	13.82	Issue Type +	Ma	Location *	WS		
Category Earthen Levee			GPS Latitude/Longitude				
Calegory				Start		End	
Erosion / Bank Caving			39.0683	70°	39.068370°		
пеш	item				63 °	-121.862763°	
DWR ID DWR_RD0070_02_s _ 2017_72							
Comment Code							

E2: Schedule repair of erosion site prior to the next inspection.

Inspector Comment

Repair the erosion along the waterside slope.



View of the erosion along the waterside slope.

Rating A : Acceptable M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/15/2018 03/15/2018	Bob Duffey

LM Start	13.83	Rating **	A/W	Issue No.		75
LM End	13.83	Issue Type +	Ma	Location *		
Supplemental			GPS Latitude/Longitude			
Calegory	Category			Start		End
Item	2017 Storm Damage			39.0681	90°	39.068190°
пеш	item			-121.8627	00°	-121.862700 °
DWR ID	DWR ID DWR_RD0070_02_f _ 2017_75					
Comment Code						

Inspector Comment

Levee Evaluation Comments

Description: Site ID No:152

Site Designation:RD 70-01 Repair Type: Erosion Rating:Area of Concern Field Date:7/17/2017

Notes: bank slope erosion around a drainage pipe/box

LM Start	13.83	Rating **	A/W	Issue No.	75 (cont)
LM End	13.83	Issue Type +	Ma	Location *	



Photo 2 of 3: LEVAL_SP_2018_152_1728.jpg



N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	03/15/2018 03/15/2018	Bob Duffey

LM Start	13.83	Rating **	A/W	Issue No.		75 (cont)
LM End	13.83	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
Calegory	Category			Start		End
Item	2017 Storm Damage			39.068190°		39.068190°
пеш	item			-121.86270	0°	-121.862700 °
DWR ID	VR ID DWR_RD0070_02_f _ 2017_75					
	Comment Code					

Inspector Comment

Levee Evaluation Comments

Description: Site ID No:152

Site Designation:RD 70-01 Repair Type: Erosion Rating:Area of Concern Field Date:7/17/2017

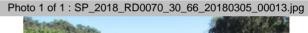
Notes: bank slope erosion around a drainage pipe/box



LM Start	14.14	Rating **	М	Issue No.		66	
LM End	14.14	Issue Type +	Ma	Location *	LS		
Category	evee	GPS Latitude/Longitude					
Category				Start		End	
ltom	Slope Stability			39.069849°		39.069849 °	
Item				-121.8572	67°	-121.857267 °	
DWR ID DWR_RD0070_02_f _ 2016_66							
Comment Code							
O4 Department on the table 1996							

S1 : Repair slope instability.

Inspector Comment





View of slope instability along the landside slope.

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type
Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement